ABSTRACT

The invention relates to a method for determining the isoform composition of erythropoietin, comprising the following steps:

a) isoelectrical focusing of a sample comprising erythropoietin in a gel over a pH range having a lower limit of 2.5 to 3.5 and an upper limit of 5 to 8, wherein the sample comprising erythropoietin originates from a culture supernatant of erythropoietin producing eukaryotic cells;

b) transferring of the proteins comprised and separated in the gel to a membrane;

c) verifying the erythropoietin bound to the membrane by specific antibodies;

and to a method for in-process control of culture supernatants of erythropoietin producing eukaryotic cells during the fermentative production process.